



REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT & FORESTRY
STATE DEPARTMENT OF ENVIRONMENT
KENYA METEOROLOGICAL DEPARTMENT

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WEATHER FORECAST FOR THE NEXT SEVEN-DAY PERIOD VALID 10TH TO
16TH APRIL, 2018

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Review of weather for the last seven-day period (2nd to 8th Apr, 2018):

- There was a marked increase in rainfall amounts over several parts of the country as the Long Rains Season enters its peak;
- Both daytime (maximum) and nighttime (minimum) temperatures increased over some areas and reduced over others.

Forecast for the next seven days (10th to 16th April, 2018):

The forecast indicates that:

- Several parts of the country are expected to continue receiving rainfall;
- Heavy rainfall is expected over parts of the Central Highlands (including Nairobi), Western, the South Rift, the Northeast and the Southeast Lowlands between Tuesday evening and Friday morning. The South Coast is also expected to experience heavy rainfall on Friday.

1. WEATHER REVIEW FOR THE LAST SEVEN DAYS (2ND TO 8TH APRIL, 2018)

1.1 Rainfall Review

There was a marked increase in rainfall amounts over several parts of the country as the Long Rains Season enters its peak. Kitui Station recorded the highest seven-day total rainfall of 254.1mm. The same station also recorded the highest amount of rainfall within 24 hours (163.9mm on 7th April) as depicted in **Figures 1 and 2**.

Other stations also received very heavy rainfall (>50mm) within 24 hours. These include Mgange in Taita-Taveta County (129mm), Marsabit (68.9mm), Kakamega (65.3mm), Muriranja (60.0mm) and Butere (59.6mm). Some stations that recorded heavy rainfall (20-50mm) within 24 hours include Amukura Agricultural Office in Busia County, Mtwapa, Makindu, Kisii and Thika as depicted in **Figure 3**.

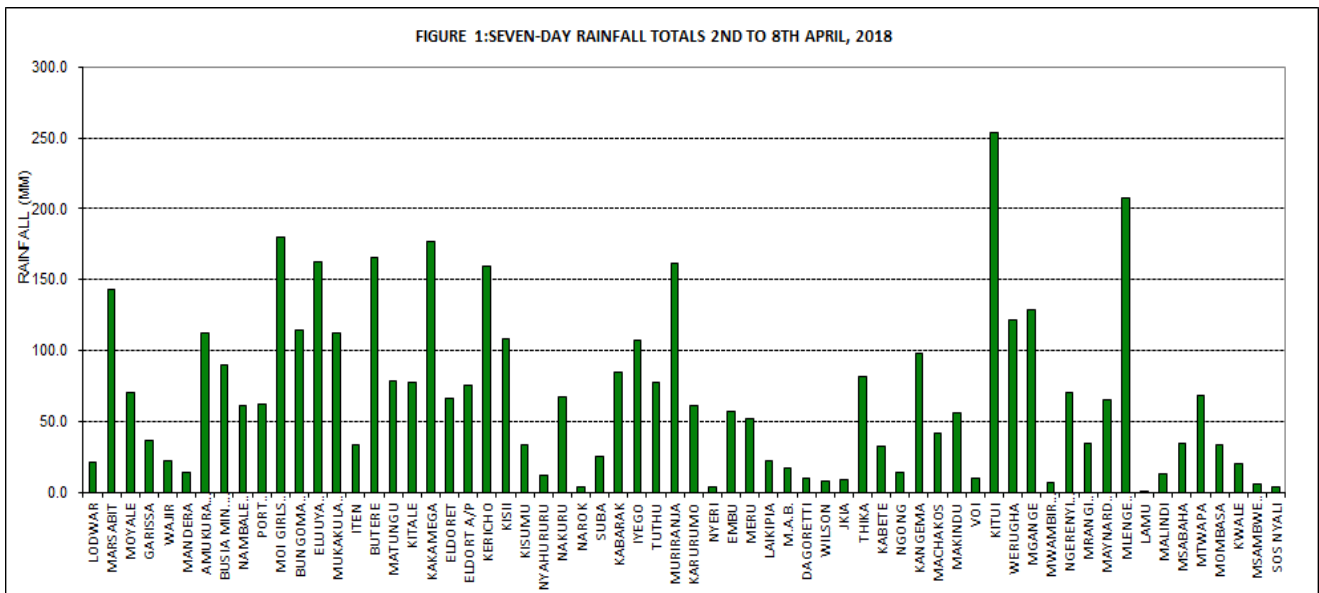


FIG 2: RAINFALL TOTALS FOR 2ND TO 8TH APRIL, 2018

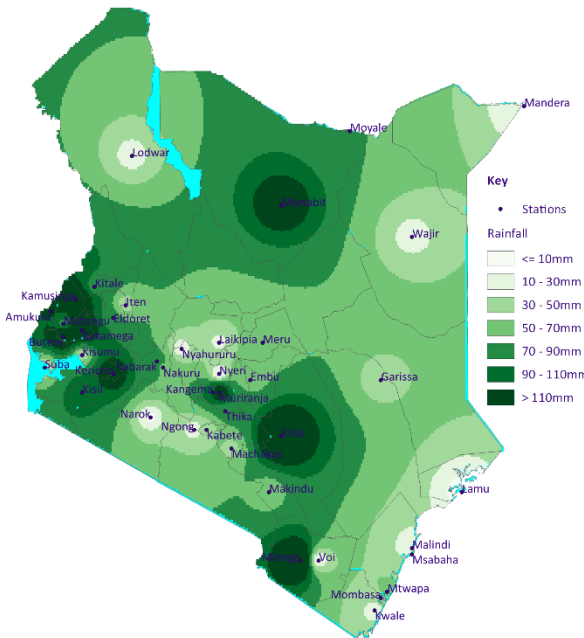
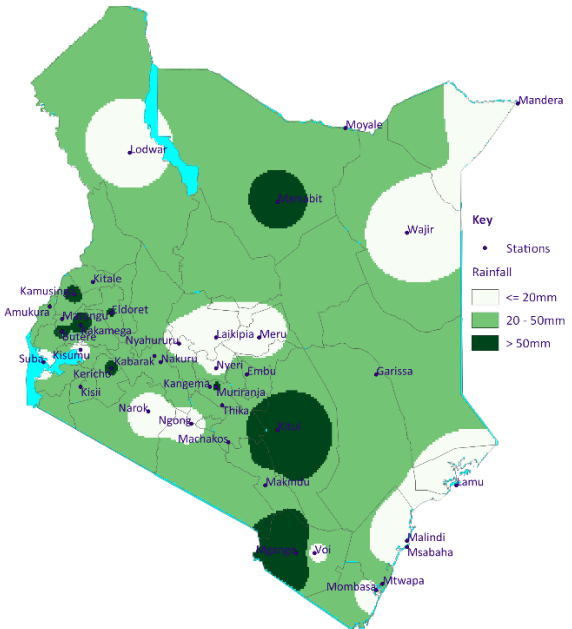


FIG 3: AREAS THAT RECORDED HEAVY TO VERY HEAVY RAINFALL

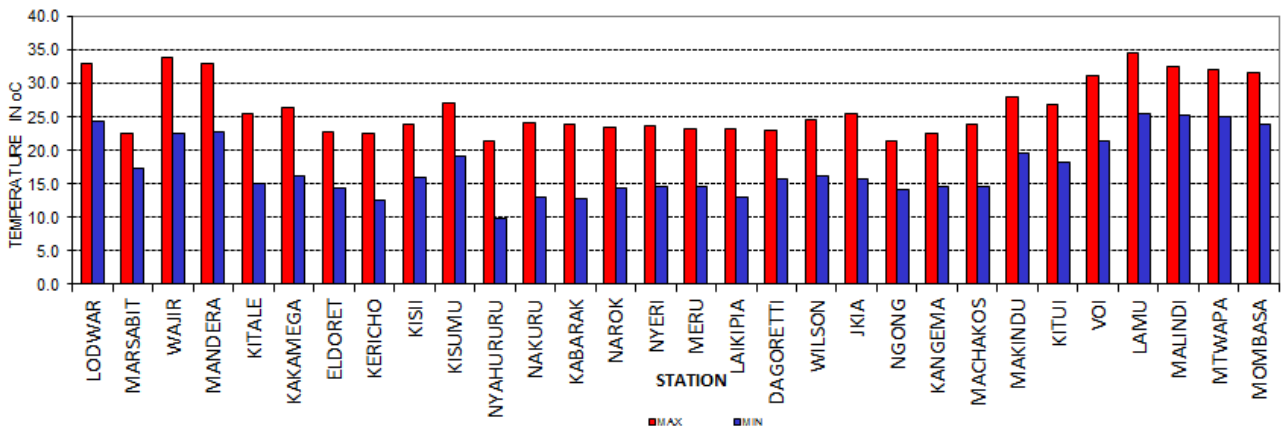


1.2 Temperature

During the review period, day-time (maximum) temperatures decreased over most parts of the country but increased over a few stations in the Southeast Lowlands. Night-time (minimum) temperatures increased over much of the country but decreased over a few stations most notably Manderu.

Lodwar Meteorological Station recorded the highest daily maximum temperature of 37.0°C on 2nd April while Nyahururu Meteorological Station recorded the lowest daily minimum temperature of 8.4°C on 8th April. Lamu Meteorological Station recorded the highest seven-day average maximum temperature of 34.7°C while Nyahururu Meteorological Station recorded the lowest seven-day average minimum temperature of 9.9°C. (See **Figure 4** below)

FIG 4: SEVEN - DAY MAXIMUM & MINIMUM TEMPERATURES FROM 2ND TO 8TH APRIL, 2018



2. FORECAST FOR THE NEXT SEVEN DAYS FROM 10TH TO 16TH APRIL, 2018

The forecast for the next seven day period (10th to 16th April 2018) indicates that:

- Several parts of the country are expected to continue receiving rainfall;
- Heavy rainfall may be received in parts of the Central Highlands (including Nairobi), Western, the South Rift, the Northeast and the Southeast Lowlands between Tuesday evening and Friday morning. The South Coast is also expected to experience heavy rainfall on Friday.

DETAILED REGIONAL FORECAST FOR THE NEXT SEVEN DAYS 10TH TO 16TH APRIL, 2018

The Lake Victoria Basin, Highlands West of the Rift Valley, Central and South Rift Valley (counties of Siaya, Kisumu, Homabay, Migori, Kisii, Nyamira, Transzoia, Baringo, Uasin Gishu, Elgeyo-Marakwet, Nandi, Laikipia, Nakuru, Narok, Kajiado, Kericho, Bomet, Kakamega, Vihiga, Bungoma and Busia) are expected to experience mainly sunny intervals in the morning though there is a possibility of rains over few places. Afternoon/evening showers and thunderstorms are expected over several places throughout the forecast period;

Northwestern (counties of Turkana, West Pokot and Samburu) are expected to experience morning rains and afternoon/evening showers and thunderstorms over few places for much of the forecast period;

Central Highlands including, Nairobi area (counties of Nairobi, Nyandarua, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu, and Tharaka) are expected to experience cloudy mornings with a possibility of rains over few places giving way to sunny intervals for much of the forecast period. Afternoon/evening showers are expected over several places between Tuesday and Thursday reducing to few places thereafter;

Northeastern (counties of Marsabit, Mandera, Wajir, Garissa and Isiolo) are expected to experience morning rains over several places on Wednesday and Thursday and over few places on the remaining days. Afternoon/evening showers are expected over several places on Wednesday and Thursday and over few places on the remaining days;

Southeastern Lowlands (counties of Kitui, Makueni, Machakos and Taita Taveta): are expected to experience mainly sunny intervals with a possibility of rains over few places in the morning and afternoon/evening showers over few places throughout the forecast period;

The Coastal Strip (counties of Mombasa, Tana River, Kilifi, Lamu and Kwale): are expected to experience morning and early afternoon showers over few places for much of the forecast period.

N.B: This forecast should be used in conjunction with the daily (24-hour) forecast issued by this Department.

KEY OF SCIENTIFIC WORDS USED

Rainfall categories	
Range	Category
<5 mm	Light
5 - 20mm	Moderate
20 - 50mm	Heavy
>50mm	Very heavy

Rainfall coverage	
Term	Meaning
Most Places	Between 66% and 100%
Several Places	Between 33% and 66%
Few Places	Between 0 and 33%

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FOR THE DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT